**Test Suite**

**for**

**Milton Hotel Website**

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason for Changes** | **Version** |
| Refer to cover page | 11/14/2018 | Initial version | 1.0 |
|  |  |  |  |

# INTRODUCTION

## **1.1 Purpose**

Software testing enables making objective assessments regarding the degree of conformance of the system to stated requirements and specifications. Testing verifies that the system meets the different requirements including, functional, performance, reliability, security, usability and so on. This verification is done to ensure that we are building the system right. In addition, testing validates that the system being developed is what the user needs. Validation is performed to ensure that we are building the right system. Apart from helping make decisions, the information from software testing helps with risk management.

This document explains the various activities performed as a part of testing of Milton Hotel Website

## **1.2 Application Overview**

The project is a hotel website for the customers to view and book the hotel services online. A login is required to make the bookings. If the customer is not an existing user, he will have to sign up using email or one of his social networks. After successful login/signup, the customer will be redirected to his dashboard and can make a search to see the list of available rooms and halls and other events happening in Milton Hotel. The customer can pay online to avail the services via a secure payment gateway. An email will be sent on customer’s email address sending a booking and payment confirmation. An airport pickup can also be scheduled. The hotel also has a restaurant and the menu can be found on the hotel website. The website provides the flexibility to modify/cancel the booking. The customer can view his previous booking and based on those, a series of deals will be shown to the customer. Incorporated in the website is a 24/7 customer support service to assist the customers for queries and inquiries.

The hotel employees have been given different privileges to access the hotel website. From the employee dashboard, they can make entries to the database to update the room availability or change some event details. The employees can additionally access customer’s previous bookings and view their current status to assist them better.

## **1.3 Reference Material**

|  |  |  |
| --- | --- | --- |
| S. No. | Document Name | Version |
| 1 | SRS – Milton Hotel Website | 1.0 |
| 2 | High Level Design – Milton Website | 1.0 |
| 3 | Detail Level Design – Milton Website | 1.0 |

# TESTING SCOPE

1. **In Scope**

Functional Testing for the following modules is in Scope of Testing

* + Login
  + Signup
  + Services
  + Search
  + Booking
  + Payment
  + Email

b) **Out of Scope**

* Performance Testing was not done for this application
* Bank side reversal of payment was not tested

# METRICS

a) No. of test cases planned, executed, passed and failed



|  |  |  |  |
| --- | --- | --- | --- |
| Test cases | Test cases | TCs | TCs |
| planned | executed | Pass | Failed |
| 21 | 21 | 19 | 2 |



b) No of defects identified and their Status & Severity



|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Critical | Major | Medium | Cosmetic | Total |
| Closed | 3 | 10 | 5 | 3 | 21 |
| Open | 0 | 0 | 2 | 1 | 3 |





# 4. TYPES OF TESING PERFORMED

**a) Smoke Testing**

This testing was done whenever a build is received (*deployed int Test environment*) for Testing to make sure the major functionalities are working fine, Build can be accepted, and Testing can start.

**b) System Integration Testing**

* + This is the Testing performed on the Application under test, to verify the entire application works as per the requirements.
  + Critical Business scenarios were tested to make sure important functionalities in the application works as intended without any errors.

**c) Regression Testing**

* + Regression testing was performed each time a new build is deployed for testing which contains defect fixes and new enhancements, if any.
  + Regression Testing is being done on the entire application and not just new functionalities and defect fixes.
  + This testing ensues that existing functionalities works fine after defect fix and new enhancements are added to existing application
  + Test cases for new functionalities are added to the existing test cases and executed.

# 5. LESSON LEARNT

|  |  |  |
| --- | --- | --- |
| S. No | Issues faced | Solutions |
| 1 | Smoke testing test cases required to be executed manually each time. | Smoke test cases were automated, and the scripts were run, which ran fast and saved time. |
| 2 | Initially, few testers were not having rights to change defect status. | Rights were obtained from Client, by explaining the difficulty. |

# 6. RECOMMENDATIONS

* + Admin control for defect management tool can be given to Offshore Test lead/manager for providing access to Testing team.
  + Each time the onsite Admin need not be contacted for requests whenever they arise, thereby saving time due to the geographical time zone difference.

# 7. BEST PRACTICES

* Smoke test cases were automated, and the scripts were run, which ran fast and saved time.
* Automation scripts were prepared to create new customers, where lot of records need to be created for Testing.
* Business critical scenarios are separately tested on the entire application which are vital to certify they works fine.

# 8. EXIT CRITERIA

* + All test cases should be executed – **Yes**
  + All defects in Critical, Major, Medium severity should be verified and closed – **Yes**.
  + Any open defects in trivial severity – **Action plan prepared with expected dates** **of closure.**

# 9. CONCLUSION

As the Exit criteria was met and satisfied as mentioned in Section 10, this application is suggested to ‘Go Live’ by the Testing team. Appropriate User/Business acceptance testing should be performed before ‘Go Live’.

# 10. References

* + Ghahrai, A. (2018). Why do we Test? What is the Purpose of Software Testing? — Testing Excellence. [online] Testing Excellence. Available at: <https://www.testingexcellence.com/why-do-we-test-what-is-the-purpose-of-software-testing>
  + Subramanian, B. and VERMA, R. (2018). A Simple 12 Steps Guide to Write an Effective Test Summary Report [with a Sample Report for Download]. [online] Softwaretestinghelp.com. Available at: <https://www.softwaretestinghelp.com/test-summary-report-template-download-sample>